

Recombinant Human LAG3/CD223 Protein (His Tag)

Catalog Number:PKSH033282



Note: Centrifuge before opening to ensure complete recovery of vial contents.

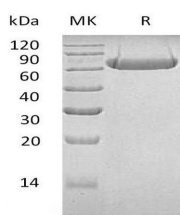
Description

Synonyms	Lymphocyte activation gene 3 protein;LAG3;LAG-3;Protein FDC;CD223;LAG-3
Species	Human
Expression Host	HEK293 Cells
Sequence	Leu23-Gly434
Accession	P18627
Calculated Molecular Weight	45.5 kDa
Observed molecular weight	60-80 kDa
Tag	C-His
Bioactivity	Loaded Anti-Human LAG-3 mAb-Fc on Protein A Biosensor, can bind Human LAG-3-6His with an affinity constant of 0.46 nM as determined in BLI assay.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Human Lymphocyte activation gene 3 protein(LAG3) is a member of immunoglobulin (Ig) superfamily. LAG3 contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. LAG3 is involved in lymphocyte activation and can bind to HLA class-II antigens. It is selectively expressed in activated T and NK cells. LAG3 has a negative regulatory function in T cells and acts as a new marker of T cell induced B cell activation. As a soluble molecule, LAG3 activates antigen-presenting cells through MHC class II signaling. It can lead to increased antigen-specific T-cell responses in vivo. LAG-3 has higher affinity to MHC class II than CD4.

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